AIR REQUIBED FOR COMBUSTION OF GAS 10!)
and the resultant products of combustion are furnished as under :—

(J:is from 1 kilogramme (J.		A.	NT.
Cubic met re	Cubic met re.	Cubic. metre	Cubic metre.
CO,, 0-05 .		0-05	
CO 1-63 .	0-815	H>3	
CwlIH0-Oii .	0 0(>	0-04	
CIIt 014 .	O'i28	0-1.4	
If 0-41 .	0-205		
N 2-70 .		—	2-7(5
5-01 gas	I 3(50		
* accompanied by	5-115 N		5-115
5-01 requiring	6--175 air		
yielding as products of) combustion)	–	1-8(5	I -7-H75

0-28
0-73

The 7"785 cubic metres N are dorivod practically ontiroly from the air. If, however, one wishes to take into account the N derived from tho fuel, so one is able to deduct 0*01, and then one obtains nitrogen derived from air 7*8(55 .cubic metres. In 1"8 times the amount of air the nitrogen muni amount
to 1-3 x 7-H(i,i In tho ga.H them in alroady N derived from air
Honce thore tnufit bo introduced from air Which carrion with it
Thus tho practical air roquiromont for />•()! cubic metre gas from 1 kilognimino 0 ....
Chiliir tnet,r«». : 10-22
••- 2'75
7-17 N HWO
1NO (air)
Or tho practical air rocjuiromont for 1 cubic, rnotn^ gas
elm*.
If one wishes to ascertain values, which alno shall bo valid for the most unfavourable working conditionB of tho yoar, HO one must take into consideration the humidity of the air, and